

LABORATORY MATERIALS & EQUIPMENT LIST



Item	Quantity per group	Investigation(s)
Almonds	12	3,1 Calculating Efficiency
Aluminum foil pie pan	1	1,3 Heat It Up!
		3,1 Calculating Efficiency
Bags, small trash	2	4,3 The Greenhouse Effect
Balance beam	1	3,1 Calculating Efficiency
		1,1 Potential and Kinetic Energy
		4,3 The Greenhouse Effect
Balloons	1	2,3 Gas Laws in Action
	2	4,4 Pollution Prevention Is Disease Prevention
Balls (same size, different mass)	3	1,1 Potential and Kinetic Energy
Battery, 9-volt	1	3,3 Electrolysis
Beaker, 250 ml	1	1,3 Splitting Atoms
		3,3 Making Hydrogen
Beakers, 500 ml	2	1,3 Heat It Up!
		1,2 Oil Recovery
Blind Fold	1	2,3 Gas Laws in Action
Bottle opener	1	3,1 Calculating Efficiency
Brads	2	3,2 Crank It Up!
Cardboard, 16 cm x 16 cm	2	3,2 Crank It Up!
Cardboard, 8 x 11 cm	2	3,2 Crank It Up!
Construction paper	7-1/2 sheets different colors	4,1 Blowing in the Wind
Construction paper	1-1/2 sheets	4,3 Natural Selection
Construction paper		2,4 Creating an Advertisement
Cooking oil	2 ml	1,3 Splitting Atoms
Cooking oil	500 ml	1,2 Oil Recovery
Cork bottle cap	1	3,1 Calculating Efficiency
Cotton balls	1	4,4 Pollution Prevention is Disease Prevention
Cups	2	4,2 Is Dilution a Solution?
Distilled water		3,3 Electrolysis
		3,1 Calculating Efficiency
Dropper or pipette	1	1,3 Splitting Atoms
		4,2 Is Dilution a Solution?
Editorial cartoons		2,4 Extra! Extra! Read All About It
Editorials, copies of		2,4 Extra! Extra! Read All About It
Egg carton or ice cube tray	1	4,2 Is Dilution a Solution?
Electrical wire		3,3 Electrolysis
Empty soup can	1	3,1 Calculating Efficiency



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Item	Quantity per group	Investigation(s)
Eraser	1	1,3 Water Wheel
Food coloring (blue or red)		4,2 Is Dilution a Solution?
Glue		3,2 Crank It Up!
		2,4 Creating an Advertisement
Graduated cylinder	1	3,1 Calculating Efficiency
		1,2 Oil Recovery
Gravel, "pea-sized"	250 ml	1,2 Oil Recovery
Gravel, "quarter-sized"	250 ml	1,2 Oil Recovery
Helium canister		2,3 Gas Laws in Action
Heat lamp	1	4,3 The Greenhouse Effect
Hex nuts	3	1,3 Windmill Competition
Hole puncher	1	4,1 Blowing in the Wind
Hole puncher	2	4,3 Natural Selection
Hot pad mittens	2	3,1 Calculating Efficiency
Hot plate	1	1,3 Heat It Up!
Ice		2,3 Gas Laws in Action
Index card	1	3,3 Electrolysis
Jumbo paper clip	1	3,1 Calculating Efficiency
Jumbo paper clips	2	3,3 Electrolysis
Lamp clamp	1	4,3 The Greenhouse Effect
Large test tube	1	3,1 Calculating Efficiency
Macadamia nuts	12	3,1 Calculating Efficiency
Magnifying glass	1	4,1 Ozone Snaps!
Map pencils	1 set	4,1 Blowing in the Wind
Marker, permanent	1	1,3 Windmill Competition
		4,2 Is Dilution a Solution?
Markers	1 set	2,2 Concept Mapping Fuels
		2,3 Gas Laws in Action
		2,3 Concept Mapping Alt. Fuels
		2,4 Creating an Advertisement
		2,4 Extra! Extra! Read All About It
Matches		3,3 Electrolysis
		3,1 Calculating Efficiency
Measuring cup	1	1,3 Heat It Up!
Meter stick	1	1,1 Potential and Kinetic Energy
		4,3 The Greenhouse Effect
Metric ruler	1	2,3 Gas Laws In Action

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Item	Quantity per group	Investigation(s)
Metric ruler	1	3,3 Electrolysis
Modeling clay	3 colors	2,1 Composition of Fuels
Natural rubber bands	9	4,1 Ozone Snaps!
Nut (metal)	1	1,3 Water Wheel
Paint		2,4 Creating an Advertisement
Paper	1 piece	2,2 Concept Mapping Fuels
Paper		2,4 Creating an Advertisement
Paper cups	4	1,3 Windmill Competition
Paper, weighing		4,3 The Greenhouse Effect
Pencil	1	1,3 Water Wheel
Pint jars	2	1,2 Oil Recovery
Plastic soda bottles	1	4,4 Pollution Prevention is Disease Prevention
Plastic tubing	60 cm	1,2 Oil Recovery
Plastic wrap		1, 3 Heat It Up!
Plywood	8in x 8in	1,3 Windmill Competition
Plywood ramp (2" x2")	3	1,1 Potential and Kinetic Energy
Popsicle sticks	6	3,2 Crank It Up!
Poster board	1 sheet	2,2 Concept Mapping Fuels
		2,4 Creating an Advertisement
		2,3 Concept Mapping Alternative Fuels
		2,4 Extra! Extra! Read All About It
Printed paper	1- 1/2 sheets	4,3 Natural Selection
Ring stand	1	3,1 Calculating Efficiency
		4,3 The Greenhouse Effect
Rubber bands	2	3,2 Crank It Up!
	1	2,3 Gas Laws In Action
Rubbing alcohol	125 ml	1,3 Splitting Atoms
Rulers	2	1,3 Windmill Competition
Salt		1,3 Heat It Up!
Scissors	1	1,3 Water Wheel
		2,3 Gas Laws in Action
		2,4 Creating an Advertisement
		3,2 Crank It Up!
		4,4 Pollution Prevention is Disease Prevention
Shoeboxes	2	4,3 The Greenhouse Effect
Six-inch screw	1	1,3 Windmill Competition
Small glass jar lids	3	4,1 Ozone Snaps!



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Item	Quantity per group	Investigation(s)
Sodium chloride	1.25 ml	3,3 Electrolysis
Soil, dark		4,3 The Greenhouse Effect
Spray bottle pumps	2	1,2 Oil Recovery
Stirrer, coffee	1	4,2 Is Dilution a Solution?
Stopwatch	1	4,3 Natural Selection
		1,3 Windmill Competition
Straw	1	3,2 Crank It Up!
String	45 cm	1,3 Water Wheel
Styrofoam cup	1	3,3 Electrolysis
Tablespoon	1	4,1 Blowing in the Wind
Tacks	4	1,3 Windmill Competition
Tape	1	1,3 Water Wheel
		1,2 Oil Recovery
		2,4 Creating an Advertisement
Teaspoon	1	1,3 Splitting Atoms
Test tube clamp	1	3,1 Calculating Efficiency
Thermometer	1	2,3 Gas Laws in Action
		3,1 Calculating Efficiency
Thermometers	2	1,3 Heat It Up!
		4,3 The Greenhouse Effect
Three - speed electric fan	1	1,3 Windmill Competition
Timer	1	1,1 Potential and Kinetic Energy
		1,3 Water Wheel
		1,3 Windmill Competition
		2,3 Gas Laws in Action
		4,3 Natural Selection
		4,3 The Greenhouse Effect
Toothpicks		2,1 Composition of Fuels
String		2,3 Gas Laws in Action
Washers	2	1,3 Windmill Competition
Wash tub	1	2,3 Gas Laws in Action
Wide-mouthed glass jar lids	2	4,1 Ozone Snaps!
Wide-mouthed glass jars	3	4,1 Ozone Snaps!
Wire snips	1	3,1 Calculating Efficiency
Wooden splint	1	3,3 Electrolysis
Plastic bag	1	4,1 Blowing in the Wind